



AMENDMENTS TO THE CLAIMS

Please amend Claims 2, 5, 6, and 9-11; and add Claims 12 and 13 as follows.

The following listing of claims will replace all prior versions and listings of claims in the application.

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LISTING OF CLAIMS

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TECHNOLOGY CENTER R3700

1. (cancelled)

2. (currently amended) The air conditioner according to Claim 9, wherein:
said drain pipe is provided at a position under a tilted lower end of said cooling heat
exchanger.

3-4. (cancelled)

5. (currently amended) The air conditioner unit according to Claim 9,
wherein said tubes are disposed to extent extend in a direction approximately parallel to
an introduction direction of said air being introduced into said space.

6. (currently amended) The air conditioner unit according to Claim 4 9
wherein:

 said cooling heat exchanger is tilted relative to the horizontal surface by a
tilt angle; and

 said angle tilt is in a range of 10° - 30°.

7-8. (cancelled)

9. (currently amended) An air conditioner for a vehicle having a passenger compartment, the air conditioner comprising:

a blower unit for blowing air, said blower unit being disposed in the passenger compartment at a position offset from a center of an instrument panel in a vehicle width direction; and

an air conditioning unit, for adjusting an air state to be blown into the passenger compartment, said air conditioning unit being disposed generally at the center of the instrument panel at a downstream air side of said blower unit, said air conditioning unit including:

(A) a case forming an air passage through which air blown by said blower unit flows into the passenger compartment, said case having a first opening for blowing air toward an upper side of the passenger compartment, and a second opening for blowing air toward a lower side of the passenger compartment,

a cooling heat exchanger for cooling air, said cooling heat exchanger being disposed within said case approximately horizontally to form a space under said cooling heat exchanger in said case, in such a manner that air from said blower unit is introduced into said space approximately horizontally and passes through said cooling heat exchanger from below upwardly,

(B) a heating heat exchanger for heating air from said cooling heat exchanger, said heating heat exchanger being disposed approximately horizontally at an upper side of said cooling heat exchanger to heat air from said cooling heat

exchanger so that a temperature of air to be blown into said first opening and said second opening is adjusted,

a mode switching member, disposed at a downstream air side of said heating heat exchanger, for selectively opening and closing said first opening and said second opening, and

a drain pipe through which condensed water generated by said cooling heat exchanger is discharged to an outside of said case, said drain pipe being provided in said case at a most bottom position at said case under a lower side surface of said cooling heat exchanger on an upstream air side of the lower side surface, wherein:

C said cooling heat exchanger is tilted relative to a horizontal surface; and

said cooling heat exchanger includes a plurality of tubes disposed in parallel with each other and a plurality of corrugated fins each of which is disposed between adjacent tubes;

said case has an air inlet from which said air blown by said blower unit is introduced into said space under said cooling heat exchanger;

said air inlet is provided in said case at a position approximately directly under an end portion of said cooling heat exchanger adjacent said blower unit;

said blower unit includes an inside/outside air switching portion for introducing air, and a blower having a fan for blowing said air introduced from said inside/outside air switching portion and a motor for rotating said fan;

a rotation axis of said fan is in a substantially vertical direction; and

said inside/outside air switching portion is provided above said fan.

paragraph (164)
Fig 10A

10. (currently amended) The air conditioner according to Claim 9, wherein said space is provided such that said air blown by said blower unit is introduced into said space approximately horizontally in said vehicle width direction.

11. (currently amended) An air conditioner for a vehicle having a passenger compartment, said air conditioner comprising:

a case forming an air passage;

a blower unit for blowing air, said blower unit being disposed at a first side of said case;

a cooling heat exchanger for cooling air, said cooling heat exchanger extending generally horizontally within said case to define a first end adjacent said blower unit and a second end adjacent a second side of said case, said second side of said case being opposite to said first side of said case, said second end of said cooling heat exchanger being lower than said first end of said cooling heat exchanger, said cooling heat exchanger defining a space between said case and said cooling heat exchanger, said blower unit blowing air into said space in a direction from said first end to said second end of said cooling heat exchanger, said blown air passing through said cooling heat exchanger upwardly from said space;

a heating heat exchanger for heating said blown air from said cooling heat exchanger, said heating heat exchanger being disposed generally horizontal at an upper side said cooling heat exchanger;

a drain pipe through which condensed water generated by said cooling heat exchanger is discharged outside of said case, said drain pipe being disposed at

said second side of said case opposite to said blower unit adjacent said second end of said cooling heat exchanger; wherein:

said case has an air inlet from which said air blown by said blower unit is introduced into said space under said cooling heat exchanger;

said air inlet is provided in said case at a position approximately directly under said first end of said cooling heat exchanger;

said blower unit includes an inside/outside air switching portion for introducing air, and a blower having a fan for blowing said air introduced from said inside/outside air switching portion and a motor for rotating said fan;

a rotation axis of said fan is in a vertical direction;

said inside/outside air switching portion is provided above said fan; and

said blower unit is disposed such that air blown from said fan is approximately horizontally introduced into said space through said air inlet.

12. (new) The air conditioner according to Claim 9, wherein said heating heat exchanger has one end that is disposed adjacent a tilted top end portion of said cooling heat exchanger.

13. (new) The air conditioner according to Claim 11, wherein said heating heat exchanger has one end that is disposed adjacent a tilted top end portion of said cooling heat exchanger.